

Claims

We claim:

1. A method for treating idiopathic hyperhidrosis, wherein said method comprises administering to a patient a therapeutically effective amount of a 5-HT_{2C} receptor activity affecting compound.

2. The method of claim 1, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of 5-HT_{2C} receptor antagonists and 5-HT_{2C} modulators.

3. The method of claim 2, wherein said 5-HT_{2C} receptor antagonist is selected from the group consisting of ketanserin, ritanserin, mianserin, meclergine, cyproheptadine, fluoxetine, mirtazapine, olanzapine, and ziprasidone.

4. The method of claim 2, wherein said 5-HT_{2C} modulator is selected from the group consisting of inverse agonists, partial agonists, and allosteric modulators.

5. The method of claim 1, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of (1R,2S,4R)-(-)-2-phenyl 2-(dimethylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane and (1R,2S,4R)-(-)-2-phenyl-2-(methylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane.

6. The method of claim 1, wherein said 5-HT_{2C} receptor activity affecting compound is administered to the patient via a route selected from the group consisting of oral, topical, mucosal, systemic, parenteral, intravenous, intraperitoneal, subcutaneous, intramuscular, intraoral, rectal, epicutaneous, transdermal, intranasal, sublingual, buccal, intradural, intraocular, intrarespiratory, and intra nasal inhalation.

7. The method of claim 1, wherein said 5-HT_{2C} receptor activity affecting compound is administered to the patient via liposome delivery systems.

8. The method of claim 1, further comprising the step of concurrently administering an agent used to treat sweating.

9. The method of claim 8, wherein said agent is selected from the group consisting of antiperspirants, acetylcholine-blocking compounds, and beta blockers.

10. The method of claim 9, wherein said agent is selected from the group consisting of aluminum acetate, aluminum sulfate, aluminum chloride, propranolol, glycopyrrolate, atropine, propantheline bromide, and oxybutynin.

11. The method of claim 1, further comprising the step of concurrently administering a method for treating sweating.

12. The method of claim 11, wherein said method for treating sweating is selected from the group consisting of iontophoresis, endoscopic thoracic sympathectomy, and botulinum toxin injection.

13. A method for treating symptoms or associated conditions of idiopathic hyperhidrosis, wherein said method comprises administering to a patient a therapeutically effective amount of a 5-HT_{2C} receptor activity affecting compound.

14. The method of claim 13, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of 5-HT_{2C} receptor antagonists and 5-HT_{2C} modulators.

15. The method of claim 14, wherein said 5-HT_{2C} receptor antagonist is selected from the group consisting of ketanserin, ritanserin, mianserin, meclergine, cyproheptadine, fluoxetine, mirtazapine, olanzapine, and ziprasidone.

16. The method of claim 14, wherein said 5-HT_{2C} modulator is selected from the group consisting of inverse agonists, partial agonists, and allosteric modulators.

17. The method of claim 13, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of (1R,2S,4R)-(-)-2-phenyl 2-(dimethylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane and (1R,2S,4R)-(-)-2-phenyl-2-(methylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane.

18. The method of claim 13, wherein said 5-HT_{2C} receptor activity affecting compound is administered to the patient via a route selected from the group consisting of oral, topical, mucosal, systemic, parenteral, intravenous, intraperitoneal, subcutaneous, intramuscular, intraoral, rectal, epicutaneous, transdermal, intranasal, sublingual, buccal, intradural, intraocular, intrarespiratory, and intra nasal inhalation forms.

19. The method of claim 13, wherein said 5-HT_{2C} receptor activity affecting compound is administered to the patient via liposome delivery systems.

20. The method of claim 13, further comprising the step of concurrently administering an agent used to treat sweating.

21. The method of claim 20, wherein said agent is selected from the group consisting of antiperspirants, acetylcholine-blocking compounds, and beta blockers.

22. The method of claim 21, wherein said agent is selected from the group consisting of aluminum acetate, aluminum sulfate, aluminum chloride, propranolol, glycopyrrolate, atropine, propantheline bromide, and oxybutynin.

23. The method of claim 13, further comprising the step of concurrently administering a method for treating sweating.

24. The method of claim 23, wherein said method for treating sweating is selected from the group consisting of iontophoresis, endoscopic thoracic sympathectomy, and botulinum toxin injection.

25. A composition comprising a therapeutically effective amount of a 5-HT_{2C} receptor activity affecting compound for treating idiopathic hyperhidrosis and an agent used to treat sweating.

26. The composition of claim 25, wherein said agent is selected from the group consisting of antiperspirants, acetylcholine-blocking compounds, and beta blockers.

27. The composition of claim 26, wherein said agent is selected from the group consisting of aluminum acetate, aluminum sulfate, aluminum chloride, propranolol, glycopyrrolate, atropine, propantheline bromide, and oxybutynin.

28. The composition of claim 25, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of 5-HT_{2C} receptor antagonists and 5-HT_{2C} modulators.

29. The composition of claim 28, wherein said 5-HT_{2C} receptor antagonist is selected from the group consisting of ketanserin, ritanserin, mianserin, meclizine, cyproheptadine, fluoxetine, mirtazapine, olanzapine, and ziprasidone.

30. The composition of claim 28, wherein said 5-HT_{2C} modulator is selected from the group consisting of inverse agonists, partial agonists, and allosteric modulators.

31. The composition of claim 25, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of (1R,2S,4R)-(-)-2-phenyl 2-(dimethylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane and (1R,2S,4R)-(-)-2-phenyl-2-(methylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane.

32. A method for prophylactically preventing or minimizing perspiring, wherein said method comprises administering to a patient a therapeutically effective amount of a 5-HT_{2C} receptor activity affecting compound.

33. The method of claim 32, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of 5-HT_{2C} receptor antagonists and 5-HT_{2C} modulators.

34. The method of claim 33, wherein said 5-HT_{2C} receptor antagonist is selected from the group consisting of ketanserin, ritanserin, mianserin, meclergine, cyproheptadine, fluoxetine, mirtazapine, olanzapine, and ziprasidone.

35. The method of claim 33, wherein said 5-HT_{2C} modulator is selected from the group consisting of inverse agonists, partial agonists, and allosteric modulators.

36. The method of claim 32, wherein said 5-HT_{2C} receptor activity affecting compound is selected from the group consisting of (1R,2S,4R)-(-)-2-phenyl 2-(dimethylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane and (1R,2S,4R)-(-)-2-phenyl-2-(methylaminoethoxy)-1,7,7-trimethyl-bicyclo[2.2.1]heptane.

37. The method of claim 32, wherein said 5-HT_{2C} receptor activity affecting compound is administered to the patient via a route selected from the group consisting of oral, topical, mucosal, systemic, parenteral, intravenous, intraperitoneal, subcutaneous, intramuscular, intraoral, rectal, epicutaneous, transdermal, intranasal, sublingual, buccal, intradural, intraocular, intrarespiratory, and intra nasal inhalation forms.

38. The method of claim 32, wherein said 5-HT_{2C} receptor activity affecting compound is administered to the patient via liposome delivery systems.

39. The method of claim 32, further comprising the step of concurrently administering an agent used to treat sweating.

40. The method of claim 39, wherein said agent is selected from the group consisting of antiperspirants, acetylcholine-blocking compounds, and beta blockers.

41. The method of claim 40, wherein said agent is selected from the group consisting of aluminum acetate, aluminum sulfate, aluminum chloride, propranolol, glycopyrrolate, atropine, propantheline bromide, and oxybutynin.

42. The method of claim 32, further comprising the step of concurrently administering a method for treating sweating.

43. The method of claim 32, wherein said method for treating sweating is selected from the group consisting of iontophoresis, endoscopic thoracic sympathectomy, and botulinum toxin injection.